

Wilfried
Brauer

1937 - 2014



honours



- Felix Hausdorff-Gedächtnispreis (1966)
- IFIP Silver Core (1986)
- honorary doctor of the University of Hamburg (1996)
- Werner Heisenberg Medal (2000)
- Honorary Member of Gesellschaft für Informatik (2002)
- Member of the German Academy of Technical Sciences (2002)
- IFIP Isaac L. Auerbach Award (2002)
- honorary doctor of the Freie Universität Berlin (2004)
- 2006 Fellow of the University of Bremen
- One of ten inaugural fellows of the European Association for Theoretical Computer Science (2014, posthumous).

9 contributions to Petri Nets



scientific

Brauer, Wilfried; [Reisig, Wolfgang](#):

[Carl Adam Petri und die "Petrinetze"](#). 2006.

Brauer, Wilfried:

[Carl Adam Petri - Laudatio zur Verleihung der Konrad Zuse-Medallie](#). 1994.

Brauer, Wilfried; [Gold, Robert](#); [Vogler, Walter](#):

[A Survey of Behaviour and Equivalence Preserving Refinements of Petri Nets](#). 1991.

Brauer, Wilfried:

[Graphs, Automata, Petri Nets: From Sequential to Distributed and Concurrent Systems](#). 1990.

Brauer, W.; [Reisig, W.](#); [Rozenberg, G.](#):

[Petri Nets: Applications and Relationships to Other Models of Concurrency](#). 1987.

Brauer, W.; [Reisig, W.](#); [Rozenberg, G.](#):

[Petri Nets: Central Models and Their Properties](#). 1987.

Brauer, W.; [Taubner, D.](#):

[Petri Nets and CSP](#). 1986.

Brauer, Wilfried:

[How to Play the Token Game? or Difficulties in Interpreting Place/Transition Nets](#). 1984.

Brauer, W.:

[Net Theory and Applications: Proceedings of the Advanced Course on General Net Theory of Processes and Systems, Hamburg, 1979](#). 1980.

9 contributions to Petri Nets



organizational

Brauer, Wilfried; [Reisig, Wolfgang](#):
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early history



1962 C. A. Petri PhD, senior scientist at Univ. of Bonn

1966 W. Brauer PhD Univ. of Bonn

1968 Petri appointed director of ISF at newly founded GMD near Bonn

1972	Brauer appointed Professor at University of Hamburg	publications: until 1968: 7
		1969: 6
1974	evaluation of GMD; Brauer was at the committee for ISF	1970: 10
		1971: 14
1979	Brauer organizes the 1 st Advanced Course on Petri Nets in Hamburg	1972: 16
		1973: 32

ADVANCED COURSE ON GENERAL NET THEORY OF PROCESSES AND SYSTEMS

October 8-19, 1979 at HAMBURG

Organized by the University of Hamburg in cooperation with the Gesellschaft für Systemtheorie und Cybernetik (GMS) Bonn

Course Directors:
 W. Brauer, University of Hamburg
 B. Randel, Univ. of Newcastle/Tyne
 C.A. Petri, GMD Bonn, St. Augustin

Lecturers:
 E. BEST - Newcastle/Tyne
 H.J. GENRICH - Bonn
 M. JANTZEN - Hamburg
 A. LAUTENBACH - Bonn
 J.D. POZE - Berlin
 H. OBERQUELLE - Hamburg
 S.S. RIFE - Bonn
 C.A. PETRI - Bonn
 G. ROZENBERG - Paris
 R.M. SHARPE - Bremen
 K. ZISE - Hamburg

Scientific secretary:
 H.S. THANDARAJAN - Bonn

Scientific advisor:
 E. SZYMRAWICZ WIECHARD - Bonn
 A. ZIEGLER - Hamburg

Information materials will be available at the conference at:
 Dr. H. Jantzen - AG-see below
 Fachbereich Informatik
 Universität Hamburg
 20099 Hamburg 13
 Phone (040) 4127-5675

By a thorough introduction to general net theory, participants will be prepared to make effective use of the theory in existing and possible further applications areas.

The aim of the course is to present a comprehensive framework which provides a firm formal basis for the numerous recent efforts to adapt 'Petri nets' to a wide range of applications.

Deadline for applications is: August 15, 1979



still known names

lecturers:

*Best, Genrich, Jantzen,
 Lautenbach, Oberquelle
 Thiagarajan, Valk*

participants:

*Finkel(?), Goltz, Reisig,
 Rozenberg, Sifakis, Winskel*

...

Lecture Notes in Computer Science

Edited by G. Goos and J. Hartmanis

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Net Theory and Applications

Proceedings of the Advanced Course
on General Net Theory of Processes
and Systems
Hamburg, 1979

Edited by Wilfried Brauer



Springer-Verlag
Berlin Heidelberg New York



The text to the course

the first comprehensive presentation
of Petri Nets



later history



the 1980ies:

“concurrency” turned into a main stream topic.

... soliciting alternative system models.

Brauer suggested to relate, combine those models.

...

9 contributions to Petri Nets



scientific: relating Petri nets to other system models

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later history



the 1980ies:

Wilfried Brauer edited proceedings, wrote recommendations, project reports, laudations, created positions, ...

I guess most of my generation involved in Petri Nets owe him something.

Wilfried
Brauer

1937 - 2014

*Without
Wilfried Brauer,
the success story
of Petri Nets
would be less
impressive.*

